

## CLAIM AMENDMENTS

### IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1-6. (Canceled).

7. (Currently Amended) A drug delivery system comprising:  
a ~~composition~~**body** manufactured from a composition consisting essentially of silica fibers and a fusion source, wherein the fibers are fused together such that the ~~body~~**composition** comprises a plurality of voids of a predetermined mean void size; and one or more drugs.

8. (Currently Amended) The drug delivery system of claim 7, wherein ~~at~~**the** drug is an antibiotic.

9. (Currently Amended) The drug delivery system of claim 7, wherein the density of the ~~body~~**composition** is between about 6 pounds per cubic foot and about 7 pounds per cubic foot.

10. (Currently Amended) The drug delivery system of claim 7, wherein the density of the ~~body~~**composition** is between about 4 pounds per cubic foot and about 6 pounds per cubic foot.

11. (Currently Amended) The drug delivery system of claim 7, wherein the density of the ~~body~~**composition** is between about 4 pounds per cubic foot and about 5 pounds per cubic foot.

12. (Currently Amended) The drug delivery system of claim 7, wherein the density of the **bodycomposition** is between about 3 pounds per cubic foot and about 5 pounds per cubic foot.

13. (Currently Amended) The drug delivery system of claim 7, wherein the density of the **bodycomposition** is up to about 12 pounds per cubic foot.

14. (Currently Amended) The drug delivery system of claim 7, wherein the density of the **bodycomposition** is up to about 16 pounds per cubic foot.

15. (Currently Amended) The drug delivery system of claim 7, wherein the density of the **bodycomposition** is up to about 39 pounds per cubic foot.

16. (Currently Amended) The drug delivery system of claim 7, wherein the **bodycomposition** comprises spherical particles having a mean diameter of about 300 microns to about 500 microns.

17. (Currently Amended) The drug delivery system of claim 7, wherein **athe** drug is a hormone.

18. (Currently Amended) The drug delivery system of claim 7, wherein **athe** drug is penicillin.

19. (Currently Amended) The drug delivery system of claim 7, wherein **athe** drug is methylprednisolone acetate.

20. (Currently Amended) The drug delivery system of claim 7, wherein **athe** drug is norethisterone.

21. (Previously Presented) The drug delivery system of claim 7, further comprising cells.

22. (Currently Amended) The drug delivery system of claim 7, wherein the composition further ~~comprising~~comprises one or more biodegradable polymers.

23. (Currently Amended) The drug delivery system of claim 7, wherein the body is~~composition~~ manufactured from ~~silica fibers comprises~~ a composition consisting essentially of~~manufactured from~~ alumina fibers, silica fibers, and a boron nitride fusion source.

24. (Currently Amended) The drug delivery system of claim 23, wherein the composition further ~~comprising~~comprises silicon carbide.

25. (Currently Amended) The drug delivery system of claim 24, wherein the composition further ~~comprising~~comprises carbon fibers.

26. (Currently Amended) The drug delivery system of claim 24, wherein the density of the body~~composition~~ ranges from about 3 pounds per cubic foot to about 12 pounds per cubic foot.

27. (Currently Amended) The drug delivery system of claim 7, wherein the body~~composition manufactured from silica fibers comprises a composition is~~ manufactured from a composition consisting essentially of silica fibers[,] and carbon fibers[,] ~~and a fusion compound~~.

28. (Previously Presented) The drug delivery system of claim 7, further comprising a nutrient for cells.